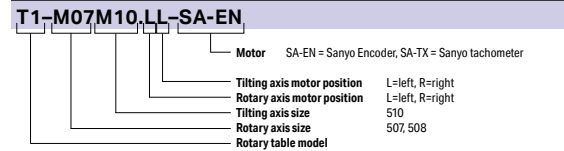


# T1-M07M10 / T1-M08M10

4<sup>th</sup>/5<sup>th</sup> Axes for demanding measurements, workpieces up to 25 kg, **with** support bearing



### Item No.



T1-M08M10.LL

|                               |                     | T1-M07M10                      | T1-M08M10                         |
|-------------------------------|---------------------|--------------------------------|-----------------------------------|
| Dimension                     | Swivel ø            | mm                             | 280 (180)                         |
|                               | Swiveling range     | degrees                        | 90° +5°/-25° (optional 180° ±25°) |
|                               | Center height       | mm                             | 180                               |
| Bearing / clamping            | Total weight        | with motor kg                  | 85                                |
|                               | Center bore         | throughout mm                  | 31                                |
|                               | Max. spindle load   | 0°-30° kg                      | 25                                |
| Gear unit                     |                     | 30°-90° kg                     | 12                                |
|                               |                     | Standard load <sup>1)</sup> kg | 12                                |
|                               | Max. axial force    | 4. axis kN                     | 6                                 |
| Precision                     |                     | 5. axis Nm                     | 1,200                             |
|                               | Max. tilting moment | 4. axis Nm                     | 2,000                             |
|                               |                     | 5. axis Nm                     | 2,000                             |
| Max. moment of inertia        |                     | kgm <sup>2</sup>               | 0.05                              |
|                               |                     | J max kgm <sup>2</sup>         | 0.5                               |
|                               |                     | 0.25                           | 0.25                              |
| Feed torque max <sup>3)</sup> |                     | Nm                             | 27                                |
|                               |                     | 21                             | 21                                |
|                               |                     | 25 to 35                       | 25 to 35                          |
| Gear unit loading 5. axis     |                     | Nm                             | -12                               |
|                               |                     | 15                             | 10                                |
|                               |                     | 250 / 40                       | 250 / 40                          |
| Indexing accuracy Pa          |                     | ± arc sec                      | 25 to 1                           |
|                               |                     | ± arc sec                      | 25 to 1                           |
|                               |                     | ± arc sec                      | 2 to 0.5                          |
| Repeat accuracy Ps average    |                     | ± arc sec                      | 2 to 0.5                          |
|                               |                     | ± arc sec                      | 2 to 0.5                          |
|                               |                     | ± arc sec                      | 2 to 0.5                          |
| Max. speed at standard load   |                     | min <sup>-1</sup>              | 20 to 25                          |
|                               |                     | 25 to 30                       | 25 to 30                          |
|                               |                     | 15                             | 15                                |
| Radial run-out <sup>2)</sup>  |                     | μm                             | 3 / 2                             |
|                               |                     | μm                             | 3 / 2                             |
|                               |                     | μm/100mm                       | 5                                 |

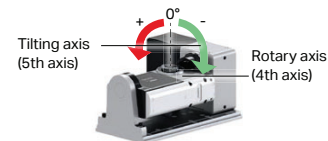
### Version

See respective EA rotary table

### Attention:

For motor and measuring system data as well as all drive-related data such as speeds, feed torques, and indexing and repeat accuracies, refer to the respective EA rotary table, pp. 36–37 or p. 49

All other item nos. as for respective EA rotary table  
Options: For QuickMover, see p. 34 and direct measuring systems (WMS), see p. 49



<sup>1)</sup> Mutually dependent; drive data valid for SANYO KA511 and KA720 DC motors  
<sup>2)</sup> For measurement method and validity of values, see p. 48  
<sup>3)</sup> Limit value for gear unit (valid with above motor), at 1 rpm  
<sup>4)</sup> Torque calculation on request  
 Achievable indexing accuracy depends on the selected direct measuring system; see p. 49

